

What is claimed is:

[Claim 1] 1. A back light module, comprising:

a frame;
a planar light source disposed in the frame;
a wire connected to the planar light source;
a wire fixing mechanism mounted on the frame, the wire fixing mechanism comprising:
a main part connected to the frame, a fixing space defined between the main part and the frame; and
an opening-control part connected to the frame, separating the fixing space into a wire-hold space and a passage, and the passage is convergent toward the wire-hold space, wherein the place where the main part defines the passage and where the wire-hold space comes close has a first extending direction, the place where the opening-control part nears the main part has a second extending direction, and the angle included by the first extending direction and the second extending direction is an acute angle, and the wire passes the passage and stays fixed in the wire-hold space when pressure is applied on the opening-control part.

[Claim 2] 2. The back light module according to claim 1, wherein the width of the connection part between the wire-hold space and the passage is smaller than the width of the wire.

[Claim 3] 3. The back light module according to claim 1, wherein the main part and the frame are manufactured as an integrative unit.

[Claim 4] 4. The back light module according to claim 1, wherein the opening-control part and the frame are manufactured as an integrative unit.

[Claim 5] 5. The back light module according to claim 1, wherein the main part is an L-shape.

[Claim 6] 6. The back light module according to claim 1, wherein the shape of the opening-control part is a straight rod.

[Claim 7] 7. The back light module according to claim 1, further comprising a protective means which covers the wire.

[Claim 8] 8. The back light module according to claim 1, wherein the protective means is a heat-shrinkable tube or an insulated adhesive tape.

[Claim 9] 9. A wire fixing mechanism in displays, which can be disposed on a frame of a display to fix at least one wire thereof, the wire fixing mechanism in displays comprising:

a main part connected to the frame, a fixing space defined between the main part and the frame; and

an opening-control part connected to the frame, separating the fixing space into a wire-hold space and a passage, and the passage is convergent toward the wire-hold space, wherein the place where the main part defines the passage and where the wire-hold space comes close has a first extending direction, the place where the opening-control part nears the main part has a second extending direction, and the angle included by the first extending direction and the second extending direction is an acute angle, and the wire passes the passage and stays fixed in the wire-hold space when pressure is applied on the opening-control part.

[Claim 10] 10. The wire fixing mechanism in displays according to claim 9, wherein the width in the connection part between the wire-hold space and the passage is smaller than the width of the wire.

[Claim 11] 11. The wire fixing mechanism in displays according to claim 9, wherein the main part and the frame are manufactured as an integrative unit.

[Claim 12] 12. The wire fixing mechanism in displays according to claim 9, wherein the opening-control part and the frame are manufactured as an integrative unit.

[Claim 13] 13. The wire fixing mechanism in displays according to claim 9, wherein the main part is an L-shape.

[Claim 14] 14. The wire fixing mechanism in displays according to claim 9, wherein the shape of the opening-control part is a straight rod.